

Projector with sealed inner compartment

5 The present invention relates to a projector apparatus which can handle high light intensities without dust or foreign matter penetrating to the inside of the apparatus and thus deteriorating the quality of the image projected.

 According to the present invention, there is provided a projector apparatus comprising an SLM unit provided with a plurality of SLMs and a prismatic light
10 splitting/combining unit. The SLM unit is enclosed in a substantially sealed chamber. A heat path for cooling each SLM is provided, whereby the heat path connection is through the wall of the substantially sealed chamber. In this way, heat energy from the main heat source inside the sealed chamber is brought outside the sealed chamber for dissipation.

15 + Fig. 2